# Equipment Assessment Unit (EAU)

**Angel S. Castro, Kyle R. Phillips**

Edgewood Chemical Biological Center, Aberdeen Proving Ground, MD

## EAU Mission

To assist Army commanders in determining the overall readiness of their fielded CBRN Defense equipment to ensure serviceability and maintainability due to long term storage or by field usage.
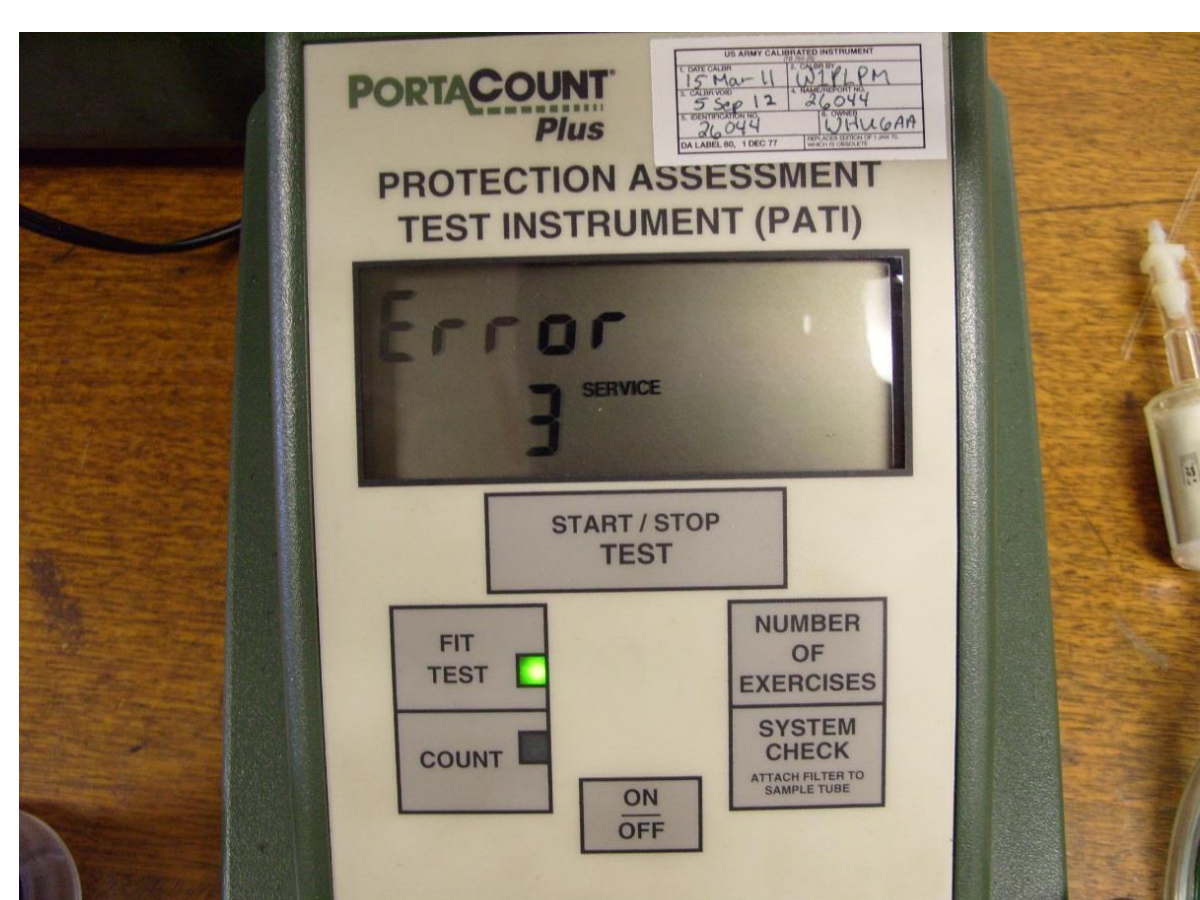
## List of CBRN Equipment Assessed

*"most items located in the unit's CBRN room"*

**INDIVIDUAL/COLLECTIVE PROTECTION:**
- ✓ M40/M40A1/M45 Protective Masks
- ✓ M50/M53 Protective Masks
- ✓ MPU-6
- ✓ M41 PATS
- ✓ M20A1 Simplified Collective Protection Equipment

**DETECTION:**
- ✓ M4/M4A1 Joint Chemical Agent Detector (JCAD)
- ✓ AN/PDR-77, AN/PDR-75, AN/UDR-13, AN/VDR-2 RADIAC
- ✓ Improved Chemical Agent Monitor (ICAM)
- ✓ M22/M88 Automatic Chemical Agent Alarm (ACADA)
- ✓ M21 Remote Sensing Chemical Agent Alarm (RSCAAL)

**DECONTAMINATION:**
- ✓ M26 Decontamination Apparatus
- ✓ M12A1 Decontamination Apparatus

## EAU CBRN Assessment Benefits

- Increases unit readiness
- Assessments aid commanders in determining the condition of onhand CBRN Equipment
- The effectiveness of existing CBRN Equipment Preventive Maintenance Checks & Services (PMCS) programs
- On-site visits provide the opportunity for hands-on training and interaction with experienced professionals in CBRN
- Results influence recommendations, training, maintenance, technical manuals, and current/future product design
- Enhances the knowledge of the CBRN equipment that a unit depends on to accomplish their mission.
- Deliverables to the unit include an inbrief/outbrief and a final report

## EAU CBRN Assessment Capabilities

*"beyond stepping through the manual"*

- Protective Masks are inspected both visually and mechanically using the Joint Service Mask Leakage Tester (JSMLT) that tests for the following:
  - Overall mask leakage
  - Drink tube assembly
  - Outlet valve leakage

- Hands-on operator level refresher training is provided:
  - Focusing on Preventive Maintenance Checks & Services (PMCS)
  - Alerting users of advisory messages, updates, calibration requirements and on-line resources
- Repairs are accomplished as necessary